

Underwater Digital Stills Camera

oe14-208



- 5 Million Pixels
- ISO 50 - 400 Equivalent
- 4x Optical Zoom

The oe14-208 (PAL and NTSC) is a new generation digital stills colour camera with smaller diameter and higher resolution than the previous model.

Each image is framed using real time video and is temporarily stored in on-board memory (standard 256Mb expandable up to 4Gb). The image can then be uploaded on the surface using a rapid USB link. Images are selectable at resolutions of 640 x 480 up to 2592 x 1944 in JPEG or RAW format.

When used with the dedicated flashgun (oe11-242) the E-TTL through lens flash metering gives accurate exposure control.

The Graphical User Interface (GUI) gives full control of the camera over RS232/RS485 and also allows the cameras framing video to be displayed on the PC.

Optionally available is a USB link for "on the fly" communication and rapid image upload over 10 kilometres of fibre optic cable.

If hardwire control is preferred then zoom, focus and shutter functions can be controlled in this way.

Remote or sequential photo trigger options are also available.

Standard Features

Electrical

Image Resolution	Selectable from a range between 2592 x 1944 and 640 x 480 pixels
Light Sensitivity	ISO 50, 100, 200, 400 automatically selected. 0.02 Lux
Scene Illumination	1 Lux
Sensor Type	1/1.8 inch high density CCD sensor
Signal to Noise Ratio	>41dB
Framing Video	PAL 625 Line / 50 Hz PAL NTSC 525 Line / 60 Hz NTSC
Power Input	Constant Voltage 16V - 24V dc 0.5A or 1.5A with flashgun (max)
Image Storage	Estimated capacities of fine quality jpeg Images on a 512Mb card are: 2592 x 1944 - 204 images 640 x 480 - 3126 images
Image Upload	USB V1.1 interface: 2592 x 1944 file size 2.5Mb upload time 15 seconds 640 x 480 file size 150Kb upload time 4 seconds
Electro-Magnetic Compatibility	EN50081-1 Emission / EN50082-1 Immunity

Environmental

Water Depth	1,000 metres
Temperature	Operating -5°C to +40°C in Water Storage -20°C to +60°C
Vibration	10g, 20-150Hz, 3-axes (non-operating)
Shock	30g peak, 25mS half-sine pulse

Optical

Standard Lens	f7.2 - 28.8 (35mm format equivalent to 38 - 140mm)
Macro Mode	f2 - f3
Iris Control	Automatic (factory set) manual override available
Focus Control	Automatic or manual 50mm to infinity
Angle of View	62° diagonal in water

Mechanical

Size	Diameter 120mm Length 280mm exc. connector
Weight	Air 4 Kg Water TBA
Standard Housing (1000M)	Aluminium alloy HE30T6
External Finish	Hard Anodised, Black Dyed
Optional Housing (3000M)	Titanium alloy 6AL/4V ASTM 834G
Connector	Camera 8 Pin Burton 5506-1508 Flash 8 pin Burton 5506-1608 Other connectors available



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